

AMENDMENTS TO THE SPECIFICATION:

In compliance with 37 C.F.R. § 1.823(a) please insert the attached paper copy of the Sequence Listing after the last page of the above-identified application to replace the Sequence Listing previously submitted on July 10, 2003.

Please replace the paragraph beginning on page 20, line 26, with the section heading "BRIEF DESCRIPTION OF THE DRAWINGS" with the following:

BRIEF DESCRIPTION OF THE DRAWINGS

Figs. 1a and 1b show, as curves, the measured amounts of protein and the measured enzyme activity in the individual fractions of the eluate;

Fig. 2 shows an electrophoresis gel analysis of GlcNAc- α 1,3-fucosyl transferase;

Fig. 3 shows the result of the isoelectric focusing and the measured transferase activity of the individual isoforms;

Fig. 4 shows the N-terminal sequences of 4 tryptic peptides 1-4 [SEQ ID NOs. 5-8] as well as the DNA sequence of three primers, S1, A2 and A3 [SEQ ID NOs. 9-11];

Figs. 5a and 5b show the cDNA sequence of α 1,3-fucosyl transferase [SEQ ID NO: 1];

Figs. 6a and 6b show the amino acid sequence of α 1,3-fucosyl transferase derived therefrom [SEQ ID NO: 2];

Fig. 7 is a schematic representation of α 1,3-fucosyl transferase as well as the hydrophobicity of the amino acid residues;

Fig. 8 shows a comparison of the conserved motifs of various fucosyl transferases [SEQ ID NOs. ~~18-31~~] [SEQ ID NOs: 18, 19, 19, 19, 19, 19, 19, 32, 20, 21, 22, 22, 23, 24, 25, 26, 27, 28, 29, 30, and 31, respectively];

Fig. 9 shows a comparison of the fucosyl transferase activity of insect cells transfected with the α 1,3-fucosyl transferase gene with that of a negative control;

Figs. 10a and 10b show structures of different acceptors of the α 1,3-fucosyl transferase;

Figs. 11 and 12 show mass spectra; and

Fig. 13 shows the result of a HPLC.